

Lucent Technologies
Bell Labs Innovations



EuroGeneris

Version 600

Administration manual

Ref 21731B
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Thanks to its smart software, the system can be connected to different national public telephone networks.

The purpose of the initialization procedure is to adapt the system to the country in which it is to be installed. This procedure **must be carried out before any other operation**.

When first started up, the system parameters are initialized for installation in France.

The available options are:

- Australia.
- Belgium.
- Czech Republic.
- Germany.
- Hungary.
- Italy.
- Luxembourg.
- Poland.
- South Africa.
- Spain.
- Switzerland.
- The Netherlands.
- United Kingdom.

Initialization using a Minitel

Applicable to France only.

1. Connect the Minitel VDU in parallel to an analog station (See Minitel instructions for use)
2. Switch on the Minitel
3. Dial **497** on either the analog station or Minitel keypad
 - Listen for the specific Minitel tone.
4. Press the «**Local Line**» button on the Minitel keypad
 - The system welcome screen appears:

```
EuroGeneris

GENERIS600 EUROA
Extension Capacity ..... :

Enter your login password
And Press ENTER
```

5. Press «**10000**» (1 + 4 zeros)
6. Press «**Enter**»
7. Press «**1**» then «**Enter**»
8. Press «**2**» then «**Enter**»
9. Press «**9**» then «**Enter**»

- The following screen appears:

Country code			

Country code	:	.
FRANCE	: 0	BELGIUM	: 1
GERMANY	: 2	THE NETHERLANDS	: 3
LUXEMBOURG	: 4	SPAIN	: 5
SOUTH AFRICA	: 6	UNITED KINGDOM	: 7
ITALY	: 8	POLAND	: 9
CZECH REP.	: 10	HUNGARY	: 11
SWITZERLAND	: 12	AUSTRALIA	: 13
Administration language : .			
FRENCH	: 0	ENGLISH	: 1
GERMAN	: 2	SPANISH	: 3
ITALIAN	: 4		

10. Enter the appropriate option

11. Press «Enter»

12. Press «Enter» once more

- The system is now initialized and the connection to the system is dropped.

Initialization using GENECOM

1. Run the GENECOM program (see GENECOM instructions for use).
2. Configure the GENECOM software:
 - GENERIS version
 - Select serial port
 - Set serial port parameters (GENERIS serial port is factory-set : Data rate 9600 - Parity none - Number of stop bits 1 - Number of bits 8).
3. In GENECOM main menu, select option B "Backup / Restore".
4. Enter the Installer's login password (I0000)
 - The Backup / Restore screen appears.
5. Select option D "Country selection".
6. Select the appropriate option.
The upload is taking place. When the upload is complete, the connection to the system is dropped.

Using a Minitel

Applicable to France only.

1. Connect the Minitel VDU in parallel to an analog station (See Minitel instructions for use)
2. Switch on the Minitel
3. Dial **497** either on the analog station or the Minitel keypad
 - Listen for the specific Minitel tone.
4. Press «**Local Line**» on the Minitel keypad
 - The system welcome screen appears:

```
EuroGeneris

GENERIS600 EUROA
Extension Capacity ..... :

Enter your login password
And Press ENTER
```

Using GENECOM

1. Run the GENECOM program (See GENECOM user's manual)
2. Configure the GENECOM software:
 - GENERIS version
 - Select serial port
 - Set serial port parameters (GENERIS serial port is factory-set : Data rate 9600 - Parity none - Number of stop bits 1 - Number of bits 8)In GENECOM main menu, select option C "GENERIS configuration"
 - The system welcome screen appears:

```
EuroGeneris

GENERIS600 EUROA
Extension Capacity ..... :

Enter your login password
And Press ENTER
```

Login password

For obvious security reasons, the system is password protected and a login password has to be entered to establish the connection. It is made-up of one letter (I or E) followed by 4 administrable figures. (See *Change login password*, page 11-2.)

The system takes two different login passwords :

- lxxxx intended for the installer
- Exxxx intended for the end-user.

Note : The login passwords are in the form lxxxx and Exxxx, irrespective of the administration language.

Note : The login passwords are factory-set as l0000 and E0000.

Table 1 : System administration

Screen header	Installer (Login password lxxxx)	End-user (Login password Exxxx)
Date and time, page 4-1.	Accessible	Accessible
Power supply, page 5-2.	Accessible	Non Accessible
S0 Bus, page 5-3.	Accessible	Non Accessible
Number of trunks, page 5-4.	Accessible	Non Accessible
Serial port, page 5-5.	Accessible	Non Accessible
Serial port assignment, page 5-6.	Accessible	Non Accessible
Feature access code, page 5-8.	Accessible	Non Accessible
Outset of basic cabinet, page 5-10.	Accessible	Non Accessible
Country code, page 5-11.	Accessible	Non Accessible
Administer an extension, page 6-2.	Accessible	Accessible
Extension group, page 6-9.	Accessible	Accessible
Call coverage answer group, page 6-13.	Accessible	Read only
Attendant console, page 6-14.	Accessible	Accessible
Call waiting indication, page 6-15.	Accessible	Accessible
Access to button assignment, page 6-16.	Accessible	Accessible
Administer a trunk, page 7-2.	Accessible	Accessible
List of trunks, page 7-6.	Accessible	Accessible
Terminal translation initialization, page 8-1.	Accessible	Accessible
Incoming call distribution, page 9-2.	Accessible	Accessible
Incoming trunk groups, page 9-3.	Accessible	Read only
Outgoing call routing, page 9-18.	Accessible	Read only
Outgoing assignments, page 9-20.	Accessible	Read only

Table 1 : System administration

Screen header	Installer (Login password lxxxx)	End-user (Login password Exxxx)
Administer classes (COR), page 10-2.	Accessible	Read only
Administer time-of-day plans, page 10-5.	Accessible	Accessible
Change login password, page 11-2.	Accessible	Accessible
Delete system administration, page 11-3.	Accessible	Non Accessible
Administer system-wide timers, page 11-7.	Accessible	Read only
Configure VEGA DSS, page 11-8.	Read only	Read only
Configure SOLARIS DSS, page 11-9.	Accessible	Accessible
Remove an extension, page 11-11.	Accessible	Accessible
Remove a trunk, page 11-12.	Accessible	Accessible
See <i>Dial AD number</i> , in the User's manual	Accessible	Accessible
See <i>Display/Program AD number</i> , in the User's manual	Accessible	Accessible
See <i>Print an AD list</i> , in the User's manual	Accessible	Accessible
See <i>Label fields</i> , in the User's manual	Accessible	Accessible
See Administer AD group, in the User's manual	Accessible	Accessible
See <i>Reset AD</i> , in the User's manual	Accessible	Accessible
See <i>Change charge unit</i> , in the User's manual	Accessible	Accessible
See <i>CDR data</i> , in the User's manual	Accessible	Accessible
See <i>Real-time CDR report</i> , in the User's manual	Accessible	Accessible
See <i>Customized CDR report</i> , in the User's manual	Accessible	Accessible
Print configuration	Accessible	Accessible

Extension capacity

The GAL located on the Central switching and processing unit (CCES) determines the extension capacity.

Table 2 : Extension capacity

GAL	Maximum number of extensions
none or unknown	8
GAL 16	16
GAL 32	32
GAL 128	128

The GAL located on the Central switching and processing unit (CCES) must be changed to increase the capacity of the system.

Definitions

Total number of extensions

The total number of extensions is equal to the number of dedicated terminals (PN and PI), plus the number of S0 terminals, plus the number of analog stations.

An extension is said to be ‘present’

- in the case of a dedicated (PN or PI) or S0 terminal, when the terminal is connected.
- in the case of an analog station (PS), when the analog line board is mounted.

An extension is said to be ‘phantom’

when it is not present but nevertheless administered without hardware.

Behaviour

The total number of extensions is equal to the number of extensions said to be ‘present’ plus the number of extensions said to be ‘phantom’.

Important: When extension numbers are 3-digit numbers (Feature access code, page 5-8.), the system will only identify 100 extensions and ignore the remaining. “Inoperative ext.” will be displayed at the attendant console.

Installing a system not using administration without hardware

1. All the extensions said to be 'present' are identified within the system extension capacity.

Note: If the number of extensions said to be 'present' is greater than the system extension capacity, the system will only identify the first X extensions (X =maximum number of extensions).

For instance: Number of extensions said to be 'present'=16, Maximum number of extensions=12. The system will identify 12 extensions and ignore the last 4.

2. If the number of extensions said to be 'present' is lower than the maximum number of extensions, the number of extensions able to be administered without hardware is equal to the maximum number of extensions minus the number of extensions said to be 'present'.

For instance: Number of extensions said to be 'present'=20, Maximum number of extensions=32. The number of extensions able to be administered without hardware is equal to 12.

Installing a system using administration without hardware

1. All the extensions administered without hardware are identified within the system extension capacity.

Note: If the number of extensions administered without hardware is greater than the system extension capacity, the system will only identify the first X extensions (X =maximum number of extensions).

For instance: Number of extensions administered without hardware=16, Maximum number of extensions=12. The system will identify 12 extensions and ignore the last 4.

2. If the number of extensions administered without hardware is lower than the maximum number of extensions, the number of extensions said to be 'present' identified by the system is equal to the maximum number of extensions minus the number of extensions administered without hardware.

For instance: Number of extensions administered without hardware=20, Maximum number of extensions=32, Number of extensions said to be 'present'=10. The system will identify all the extensions.

For instance: Number of extensions administered without hardware=20, Maximum number of extensions=32, Number of extensions said to be 'present'=15. The system will identify the first 16 extensions said to be 'present' and ignore the last 3.

When the maximum number of extensions is reached, you may

- either remove extensions (Remove an extension, page 11-11.)
- or subscribe to a higher system capacity.

EuroGeneris menu

```

EuroGeneris
-----
Main menu ..... 1
Alphabetical Abbreviated Dialing .. 2
Call detail recording ..... 3
Print configuration ..... 4
Maintenance ..... 5

Select option :      .

```

- Option 1:** See *Main menu*, page 3-1.
- Date and time, page 4-1.
 - System administration, page 5-1.
 - Extension administration, page 6-1.
 - Trunk administration, page 7-1.
 - Terminal translation initialization, page 8-1.
 - Routing, page 9-1.
 - Restriction, page 10-1.
 - Miscellaneous, page 11-1.

Option 2 : See EuroGeneris user's manual.

Option 3 : See EuroGeneris user's manual.



Establish the connection

EuroGeneris menu

Behaviour



Main menu	

Date and time	1
System administration	2
Extension administration	3
Trunk administration	4
Terminal translation initialization	5
Routing Patterns	6
Restriction	7
Miscellaneous	8
Select option : ..	

Option 1 : See *Date and time*, page 4-1.

Option 2: See *System administration*, page 5-1.

- Power supply, page 5-2.
- S0 Bus, page 5-3.
- Number of trunks, page 5-4.
- Serial port, page 5-5.
- Serial port assignment, page 5-6.
- Feature access code, page 5-8.
- Outset of basic cabinet to extension cabinet, page 5-10.
- Country code, page 5-11.

Option 3: See *Extension administration*, page 6-1.

- Administer an extension, page 6-2.
- Extension group, page 6-9.
- Voice services group, page 6-11.
- Call coverage answer group, page 6-13.
- Attendant console, page 6-14.
- Call waiting indication, page 6-15.
- Access to button assignment, page 6-16.

Option 4: See *Trunk administration*, page 7-1.

- Administer a trunk, page 7-2.
- List of trunks, page 7-6.

Option 5: See *Terminal translation initialization*, page 8-1.

Option 6: See *Routing*, page 9-1.

- Incoming call distribution, page 9-2.
- Outgoing call routing, page 9-18.

Option 7: See *Restriction*, page 10-1.

- Administer classes (COR), page 10-2.
- Administer time of day plans, page 10-5.

Option 8: See *Miscellaneous*, page 11-1.

- Change login password, page 11-2.

- Delete system administration, page 11-3.
- Administer system wide timers, page 11-7.
- Configure VEGA DSS, page 11-8.
- Configure SOLARIS DSS, page 11-9.
- Remove an extension, page 11-11.
- Remove a trunk, page 11-12.

Date and time

Current system date:

.

Enter new date

dd-mm-yyyy-hh-mn

.....

Date and time

Used to adjust the date and time.

Enter the following in the specified order:

- day (2 char.)
- hyphen (-)
- month (2 char)
- hyphen (-)
- year (4 char)
- hyphen (-)
- hour (2 char)
- hyphen (-)
- minutes (2 char).

The day of the week (Mon-Tue-Wed-Thu-Fri-Sat-Sun) is automatically worked out by the system.

Note: The date and time are also administrable at the attendant console(s).

Note: A time setback for over 2 hours has some impact on the Call Detail Recording application and a reset of the meters is recommended.

.....



System administration	

Power supply	1
S0 bus	2
Number of trunks	3
Serial ports	4
Serial port assignment	5
Feature access code	6
Outset of basic cabinet	
to extension cabinet	7
Country code	8

Select option :	.

- Option 1 :** See *Power supply*, page 5-2.
- Option 2 :** See *S0 Bus*, page 5-3.
- Option 3 :** See *Number of trunks*, page 5-4.
- Option 4 :** See *Serial port*, page 5-5.
- Option 5 :** See *Serial port assignment*, page 5-6.
- Option 6 :** See *Feature access code*, page 5-8.
- Option 7 :** See *Outset of basic cabinet to extension cabinet*, page 5-10.
- Option 8 :** See *Country code*, page 5-11.

Power supply

Power supply

Type 1 : 100 W 1

Type 2 : 200 or 250 W 2

Type 3 : 40 W 3

Select option: .

Power supply

Used to define the type of power supply which is implemented.

The power supply is directly dependent on the number of terminals connected to the system.

Type	Power supply	Number of Units of Measurement
3	40 W	1 to 16 UM ^a
1	100 W	17 to 40 UM
2	250 W	41 to 104 UM

- a. 1 Dedicated terminal = 2 UM
 1 Solaris DSS = 1 Vega DSS = 4 UM
 1 S0 access = 2/3 UM
 1 Digital terminal = 1 UM.

Note: The quality of the power supply may deteriorate if the number of dedicated terminals connected to the system exceeds the capacity of the power supply which is implemented. The message "POWER OVERLOAD" will then be displayed at the attendant console(s).

Warning: Under overload conditions, the 40W power unit may trip. In that case, switch it off for a few minutes.

S0 Bus

S0 Bus

Enter port number (WXY) : 0..

W : Cabinet number
X : Slot number
Y : Jack number

Enter length option : .

- short (< 150 m) : 0
- long (> 150 m) : 1

Port number

Used to select the S0 access port number for administration.

Length option

Used to define the type of bus according to the wiring implemented. See *S0 Connection*, Installation manual.

- Short bus for a «short» or «Y» wiring.
- Long bus for a «point to point» or «extended» wiring.

Number of trunks

Number of trunks

Number of trunks : ..

Number of trunks is at
the most equal to ...

Number of trunks

Used to indicate the number of potential trunks which can be connected to the system, i.e. the number of ISDN B-channels plus the number of analog CO trunks.

Example 1: The total number of trunks is 24 when the installation includes one ISDN PRI (T2) with 20 B-channels (20 trunks) and two ISDN BRIs (T0) with 2 B-channels (4 trunks).

Example 2: The total number of trunks is 32 when the installation includes one ISDN PRI (T2) with 25 B-channels (25 trunks), two ISDN BRIs (T0) with 2 B-channels (4 trunks) and three analog CO trunks.

If the total number of the actual trunks connected to the system is less than half the declared number of potential trunks, the message «Trk non existent» is displayed at the attendant console(s).

Serial port

The system features two serial ports.

```

Serial port .
-----
Transmission speed ..... : .
( 0 = 9600 bds ; 1 = 4800 bds
  2 = 2400 bds ; 3 = 1200 bds
  4 = 300 bds )
Parity ..... : .
( 0 = even ; 1 = odd
  2 = none )
Number of stop bits ..... : .
( 1 stop bit or 2 stop bits )
Number of bits ..... : .
( 7 bits or 8 bits )
XON_XOFF ..... : .
( 0 = inactive; 1 = active )
-----
NEXT PORT      -----> Shift Down
PREVIOUS PORT  -----> Shift Up

```

Transmission speed

Used to define the throughput of the serial port. The available settings are 9600, 4800, 2400, 1200 and 300 bauds. The factory setting is 9600 bauds.

Parity

Used to define the parity. The available settings are none, even and odd. The factory setting is none.

Number of stop bits

Used to define the number of stop bits. The available settings are 1 and 2. The factory setting is 1 stop bits.

Number of bits

Used to define the word length. The available settings are 7 and 8. The factory setting is 8 bits.

Xon_Xoff

Used to define the Xon_Xoff protocol. The available settings are inactive (0) and active (1). The factory setting is inactive.

Caution for serial port configuration: Before carrying out any modifications to the standard configuration, read the peripheral equipment instructions manual.



Serial port assignment

Serial ports can accomodate:

- a printer to print the configuration report, real-time CDR reports or directory
- a modem for remote system administration (GENECOM 2 or GENECOM1)
- a PC for:
 - local system administration (GENECOM 2 or GENECOM1)
 - recovery of the real-time CDR reports via an external call detail recording (CDR) device
 - recovery of the configuration report or directory via a communications software (e.g. Terminal in Windows).

Serial port assignment is used to define only those ports used for system output (printing reports or transmitting customized CDR overload alarm - GENECOM 2). Serial port assignment is not required for system input (local or remote administration).

Serial port assignment

Configuration reports/Real-time CDR reports (Port A or B):.

 Customized CDR overload alarm:.
 (Port A or B)

Configuration reports/Real-time CDR reports

Used to define the port used for printing the configuration report, the real-time CDR reports or the directory.

Customized CDR overload alarm

Applicable to France only.

***Note:** GENECOM 2 is applicable to France only.*

Table 3: Configuration options

Port A	Port B	Parameters to be defined
Printer	-	Configuration report/Real-time reports
	GENECOM1	Configuration report/Real-time reports
	GENECOM2	(applicable to France only)
PC ^a	-	Configuration report/Real-time reports
	GENECOM1	Configuration report/Real-time reports
	GENECOM2	(applicable to France only)

- a. PC for:
- local system administration (GENECOM 2 or GENECOM1)
 - recovery of the real-time CDR reports via an external CDR device
 - recovery of the configuration report or the directory via a communications software (e.g. Terminal in Windows).

Table 4: Serial port priority of access

Request	Serial port status				
	Idle	Used for real-time CDR reports	Used for printing	Used with GENECOM1	Used with GENECOM2
Real-time CDR reports	Granted		Denied	Denied	Denied
Printing	Granted	Denied		Denied	Denied
Customized CDR over-load alarm	(applicable to France only)				

Note: GENECOM 2 is applicable to France only.

Feature access code

By default, extension numbers range from 300 to 399. However, the system dial plan is flexible enough to allow three or four-digit extension numbers when required (in order to match the last 3 or 4 digits of the assigned DID numbers, for instance).

Feature access code

ARS and Attendant codes (1 or 2) . :.

Option 1 : Att=9 ; ARS=0

Option 2 : Att=0 ; ARS=9

First digit

(from 1 to 8, * or #) :.

Number of digits in the

extension number (3 or 4) :.

System AD plan (0 or 1)..... :.

Option 0 : Starts at 8200

Option 1 : Starts at 8000

ARS and Attendant access codes

Used to select the ARS and attendant access codes.

First digit

Used to define the first digit needed to distinguish feature access codes from extension numbers when they are not in the form 3xx.

Thus, voice features are activated by dialing the first digit followed by the appropriate feature access codes except the following three:

- Common outgoing
- Attendant
- Internal call

Note: When a number (from 1 to 8) has been selected as first digit, extension numbers cannot begin with that number.

Number of digits

Used to define the number of digits in the extension numbers.

Note: When the system supports more than 100 extensions, the number of digits in the extension numbers is necessarily 4.

Example 1: Selected first digit: 5, Number of digits: 3
The extension numbers can range from 100 to 499 and from 600 to 899.

Example 2: Selected first digit: none, Number of digits: 4
The extension numbers range from 3000 to 3999.

Example 3: Selected first digit: 7, Number of digits: 4
The extension numbers can range from 1000 to 6999 and from 8000 to 8999.

System AD plan

Used to select AD numbers and memory access code.

Feature	Option	
	0	1
System AD	8200 to 8999	8000 to 8799
Personal AD	810 to 819	890 to 899
Memory	80	88

Note: Selecting new AD numbers do not change the telephone numbers stored. For instance, the telephone number stored in AD number 8200 will be found in AD number 8000 and the one stored in AD number 810 will be found in AD number 890 and vice versa.

Note: When selecting new AD numbers, the extension button assignment is NOT saved at analog and digital dedicated voice terminals.

Warning: VEGA DSS configuration nb 2 and SOLARIS DSS configurations nb 7-9 will have to be modified manually at the respective terminals.

Outset of basic cabinet to extension cabinet

The aim is to outset time slots of TDM bus 0 into an extension cabinet in order to use them for analog boards. (This operation is done to shift the management of all the analog boards as well as the numbering of analog ports from the basic cabinet to an extension cabinet).

```
Outset of basic cabinet
to extension cabinet

-----

Validate outset ..... (Y/N): .

Warning,
 1 : Switch off the system
 2 : Rearrange the boards accordingly
 3 : Switch the system on again
```

This operation enables to obtain the upmost capacity for a system accommodating a board in slot 0-0 in the ACS basic cabinet. See the Installation manual, *System capacity*.

Validate outset

Used to validate the outset of the basic cabinet to an extension cabinet.

Note: For administration purposes, the outset cabinet is referred to as W=3 and port numbers run from 310 to 383.

Country code

Country code	

Country code : .
FRANCE	: 0 BELGIUM : 1
GERMANY	: 2 THE NETHERLANDS : 3
LUXEMBOURG	: 4 SPAIN : 5
SOUTH AFRICA	: 6 UNITED KINGDOM : 7
ITALY	: 8 POLAND : 9
CZECH REP.	: 10 HUNGARY :11
SWITZERLAND	: 12 AUSTRALIA :13
Administration language	: .
FRENCH	: 0 ENGLISH : 1
GERMAN	: 2 SPANISH : 3
ITALIAN	: 4

Country code

Used to indicate the country in which the system is installed. The system being factory-set for operation in France, it has to be hardware configured and administered for operation in each supported country.

The related parameters are initialized according to the location:

- Display language.
- Administration language.
- Currency.
- Charge unit.
- Emergency numbers.

Warning: Any attempt to modify these parameters will lead to system reinitialization.

Table 5: Parameters related to country code

Country	Display language	Administration language	Currency	Charge unit	Emergency numbers
Australia	English	English	AUD	1,000	000/112
Belgium	French	French	BEF	1,000	101/100/112
Czech Rep.	English	English	CSK	1,000	158/150/155
France	French	French	Frs	1,000	17/18/15
Germany	German	German	DEM	1,000	110/112
Hungary	English	English	HUF	1,000	07/05/04

Table 5: Parameters related to country code

Country	Display language	Administration language	Currency	Charge unit	Emergency numbers
Italy	Italian	Italian	ITL	1,000	113/115/118/112
Luxembourg	French	French	FL	1,000	112/113
Poland	English	English	PLZ	1,000	999/998
South Africa	English	English	ZAR	1,000	10111/998/999/107
Spain	Spanish	Spanish	PTS	7,500	091/080/061/092
Switzerland	French	English	CHF	1,000	117/118/144
The Netherlands	Dutch	English	NLG	1,000	06-11/112/115
United Kingdom	English	English	GBP	1,000	112/999

Administration language

Used to define the language used for system administration.

Extension administration

Administer an extension 1
 Extension group 2
 Voice services group 3
 Call coverage answer group 4
 Attendant console 5
 Call waiting indication 6
 Access to button assignment 7

Select option : .

Option 1 : See *Administer an extension*, page 6-2.

- Administration without hardware, page 6-2.
- Administer an extension, page 6-3.
- Extension button assignments, page 6-7.
- Auto-answer, page 6-8.

Option 2 : See *Extension group*, page 6-9.

Option 3 : See *Voice services group*, page 6-11.

Option 4 : See *Call coverage answer group*, page 6-13.

Option 5 : See *Attendant console*, page 6-14.

Option 6 : See *Call waiting indication*, page 6-15.

Option 7 : See *Access to button assignment*, page 6-16.

Administer an extension

Extension number

Used to indicate the extension number for administration purposes.

Administration without hardware

Administration without hardware is provided to administer extensions by allowing translations to be entered before the actual ports are assigned.

```

Extension : ...

-----

ADMINISTRATION WITHOUT HARDWARE

Terminal type .....: ..
(-----> F2)

Port number          (WXY) : ...
W : Cabinet number
X : Slot number
Y : Jack number

```

Terminal type

Used to define the terminal type:

- 1 - Analog station
- 2 - Leader 48
- 3 - (Unused)
- 4 - Solaris alpha
- 5 - Véga
- 6 - Swing club
- 7 - Euro-ISDN terminal
- 8 - (Unused)
- 9 - Hélios alpha
- 10 - Hélios
- 11 - Hélios ampli
- 12 - 960 alpha
- 13 - 930 alpha
- 14 - 930 or 910


```

Extension: ...

-----
Day class of restriction ..... : ..
Night class of restriction ..... : ..
      (from 00 to 11)
Assign time-of-day plan (1 to 3) : .
Override night restriction (Y/N) : .
Apply assigned COR (Y/N) ..... : .
Personal identification number.. : ....

Ringing cycle for external
calls (1 to 9) ..... : .

Access to call forward off premises : .
Maximum number of simultaneous
forwarded calls (1 to 9) ..... : .

```

Day class of restriction

Used to indicate the class of restriction assigned to the extension during the day:

- Classes 00 to 09. (See *Administer classes (COR)*, page 10-2.)
- Class 10: no restriction.
- Class 11: outgoing restriction.

Night class of restriction

Used to indicate the class of restriction assigned to the extension at night:

- Classes 00 to 09. (See *Administer classes (COR)*, page 10-2.)
- Class 10: no restriction.
- Class 11: outgoing restriction.

Assign time-of-day plan

Used to indicate the time-of-day plan assigned to the extension. (See *Administer time of day plans*, page 10-5.)

Override night restriction

Used to enable/disable the user to override the night restriction.

Note: Non accessible for an S0 ISDN data terminal.

Apply assigned COR

Used to enable/disable the user to apply his/her assigned class of restriction at any voice terminal within the system.

Note: Non accessible for an S0 ISDN data terminal.

Personal identification number

Used to define the 4-digit password enabling the user to override the night restriction and to apply his/her assigned class of restriction at any voice terminal within the system.

Note: Non accessible for an S0 ISDN data terminal.

Ringling cycle for external calls

Used to define a ringing cycle for dedicated and digital terminals (external calls only):

- option 1: long ringing cycle (standard)
- option 2: short ringing cycle (2 beeps)
- option 3: short ringing cycle (1 beep)
- option 4: long ringing cycle
- option 5: short ringing cycle (2 short beeps)
- option 6: short ringing cycle (1 short beep)
- option 7: long ringing cycle
- option 8: short ringing cycle (2 very short beeps)
- option 9: short ringing cycle (1 very short beep).

Access to call forward off premises

Used to enable/disable the user to forward calls to an outside telephone number.

Warning: In an extension group, when the extension with the lowest number validates the call forward off-premises feature, all the incoming calls for this group will be redirected to the designated outside number.

Note: Non accessible for an S0 ISDN data terminal.

Maximum number of simultaneous forwarded calls

Used to limit the number of simultaneous calls able to be forwarded off-premises.

Note: Non accessible for an S0 ISDN data terminal.

```

Ext          : ... .
-----
Hotline service :
Assigned destination ..... : ...
  (enter extension number)
Timeout interval ..... : .. sec
  (1 to 99 s)

Direct connection-Validate .. (Y/N) .
Deny access to direct connect (Y/N) .
Vega DSS configuration ..... : .
  (from 1 to 3)

Display language ..... : .
  (available display languages --> F2)

Call waiting indication ..... : .
(Beep:1; Tone:2; System option:3;
Display:4)

```

Assigned destination

Used to indicate the extension number which is dialed automatically by the system if no dialing takes place within the predefined timeout interval.

Timeout interval

Used to define the number of seconds that must elapse before the system automatically dials the predefined extension number (assigned destination).

Note: The timeout interval for an analog station cannot exceed:

- 29 seconds for a system located in France
- 15 seconds for a system located in Belgium.

Direct connection-Validate

Used to enable/disable the user to access the Direct connection feature which allows the user to directly answer incoming trunk calls. When the Manual connection is activated, the user must dial the Answer incoming trunk call access code in the following cases:

- calls coming in on trunks assigned to several extensions,
- calls received by the call coverage answer group.

Deny access to direct connection

Used to enable/disable the user to access the Direct connection feature at his/her terminal.

Solaris DSS configuration

Used for assigning a preprogrammed configuration to the Solaris DSS buttons. (See *Configure SOLARIS DSS*, page 11-9.)

Vega DSS configuration

Used for assigning a preprogrammed configuration to the Vega DSS buttons. (See *Configure VEGA DSS*, page 11-8.)

Display language

Used to define the display language used at the extension.

Call waiting indication

Used to indicate how the extension will be notified of a waiting call:

- Beep
- Tone
- System option. (See *Call waiting indication*, page 6-15.)
- Display (for display-equipped voice terminals).

Extension button assignments

Extension: ...

BUTTON ASSIGNMENTS :

A . N

B . O

C . P

D . Q

E . R

F . S

G . T

H . U

I . V

J . W

K . X

L . Y

M . Z

A:

B:

C:

D:

E:

F:

G:

H:

I:

J:

K:

L:

M:

: ...

: ...

: ...

: ...

: ...

: ...

: ...

: ...

: ...

: ...

: ...

: ...

: ...

HELP

----> F2

Button assignments
Used to modify the current button assignments by entering the appropriate feature access codes.

Note: On a Hélios alpha terminal, buttons 13, 25 and 26 are used for the MGO functions NEXT, PREVIOUS and VALID.

Table 6 : Available feature access codes for button assignment

Feature	Code	Feature	Code	Feature	Code
Common outgoing (ARS)	0 ^a	Alarm call	642	Internal auto answer	74
Return to call	1	Call appearance	643	Caller ID	741
Toggle (Broker's call)	22	Outside transfer	644	Called ID	742
Trunk groups	400-409	Call pick-up	65	Direct connection	75
Trunks	411-442	Transfer/Group park	66	Message retrieval	77
Extension groups	4501-4532	Exclusive hold	67	Personal AD numbers-store	78
Page an individual	460	Ringer on	68	Place call using AD	8
Loudspeaker page	469	Forward internal-activate	691	Alphabetical AD	8*
Voice services group	471-478	Forward off-premises-activate	695	Memory	80 ^a
Answer incoming trunk call	5	Program	7	Personal AD	81 ^a
Answer page	60	Mute	70	Personal AD numbers	810-819 ^a
Automatic callback	61	Drop	71	System AD numbers	8200-8999 ^a
Do not disturb	62	Leave word calling	72	Attendant	9 ^a
Three-party conference	63	Vega DSS-configuration	731-733	Internal call	fd+Nb
Override restriction	641	Solaris DSS-configuration	731-739		

a. See *Feature access code*, page 5-8.
ARS: Automatic Route Selection (See *Outgoing assignments*, page 9-20.)

Version : 600

EuroGeneris administration manual

6-7

Auto-answer

This feature is used to connect the outside calling party to a device broadcasting pre-recorded announcements which then transfers the call. There are two auto-answer modes which are described below.

Forced first announcement.

The calling party hears the entire pre-recorded announcement before the call is transferred to the called party.

First announcement.

The calling party hears the pre-recorded announcement while the system tries to establish the connection with the called party. The caller is connected as soon as the called party answers the call.

The appropriate auto-answer mode is selected when assigning ISDN-DID numbers. (See *Assign DID numbers*, page 9-8.)

Warning: Assign the auto-answer mode to the extension before connecting the broadcasting device.

```
Extension: ...
-----

Length of pre-recorded ..... : .   sec
announcement ( 0 to 255 s)

Auto-answer timeout interval : .   sec
( 0 to 255 s)
```

Length of pre-recorded announcement

Used to define the length of the pre-recorded announcement.

Auto-answer timeout interval

Used to define the number of seconds that must elapse before the pre-recorded announcement is played.

Warning: The auto-answer timeout interval should exceed the DID coverage timers. (See *Coverage timers*, page 9-8.)

Extension group

Up to 32 extension groups may be defined.

Extension group number

Used to indicate the extension group number for administration purposes.

```

Operational characteristics-Group ..
-----
Name of group : .
Call distribution mode
Terminating extension group .... (1)
Direct department calling ..... (2)
Uniform call distribution ..... (3)
Select option ..... : .
Maximum number of calls in queue : ..
                               (1 to 32)
Hunting delay interval : ..
                               (5 to 99s)
Ring several ext. at once ..(Y/N) : .

```

Name of group

Used to define the name of the group. (12 characters)

Note: The group name and number are displayed during calls.

Call distribution mode

Used to assign a call distribution mode to an extension group.

- **Terminating extension group:** the call rings all the extensions simultaneously.
- **Direct department calling:** the call rings the first available member in the administered sequence (the sequence runs from the lowest to the highest extension number). In other words, calls always try to complete at the first group members in the sequence.
- **Uniform call distribution:** the call rings the next idle member, in a cyclic order. In other words, calls are distributed evenly among the group members.

Note: Calls ring only the extensions having their ringer on.

Maximum number of calls in queue

Used to limit the number of calls being answered and waiting to be answered by the group. The extension group is “active” before this number is reached and it is “busy” when this number is reached.

Note: Similarly, the group is “busy” when all its administered members have their ringer off.

Hunting delay interval

Used to define the number of seconds that must elapse before the call rings the next available extension.

Note: Useless for a Terminating extension group.

Ring several extensions at once

Used to indicate if the extension(s) previously rung will go on ringing when the call rings the next available extension.

Extension group ..

Administered members : (up to 32)

Use Y/N, to add/remove a member.

All the administered extensions appear on this screen.

Administered members

Used to indicate the group members. The administered members are shown in reverse video.

Note: An extension can only belong to one group.

Note: A group may have up to 32 members.

Voice services group

Warning: All the administered equipment must be idle while you program this option.

Up to 8 voice services groups may be defined.

Voice services group number

Used to indicate the voice services group number for administration purposes.

Voice services group .

Group name :

Retrieval code :

Recording code :

Group name

Used to define the group name (12 characters).

Note: The group name and number are displayed during calls.

Retrieval code

Used to define the code to be used for playing messages.

Recording code

Used to define the code to be used for leaving messages.



Note: A group may have up to 32 members.

- the calls which have not been answered,

- Note:** Calls ring only the extensions having their ringer on.

All the administered extensions appear on the

Administered members

I used to indicate the n

Note: The call coverage answer group may have up to 48 members.

Note: When the system is switched on, all the administered external

Attendant console

Attendant console

Attendant extension numbers : ...
and : ...

When the external ringer is active,
incoming trunk calls rings
the attendant console (Y/N) : .

Attendant extension numbers

Used to define the attendant extension numbers.

***Note:** When the system is switched on, the first dedicated terminal (equipped with a display) to be detected is declared as attendant console.*

When the external ringer is active, incoming trunk calls ring the attendant console(s)

Used to indicate that incoming trunk calls ring the attendant console(s) when the external ringer is active. Thus, incoming trunk calls ring the attendant console(s), the external ringer and the members of the call coverage answer group at the same time.

Access to button assignment

Access to button assignment		

Deny access to extension button assignment	(Y/N)	: .
Deny access to VEGA DSS button assignment	(Y/N)	: .
Deny access to SOLARIS DSS button assignment	(Y/N)	: .

Deny access to extension button assignment

Used to enable/disable the extension user to modify the terminal button assignment.

Deny access to VEGA DSS button assignment

Used to enable/disable the extension user to modify the VEGA DSS button assignment.

Deny access to SOLARIS DSS button assignment

Used to enable/disable the extension user to modify the SOLARIS DSS button assignment.



Trunk administration

Administer a trunk 1

List of trunks 2

Select option : .

- Option 1:** See *Administer a trunk*, page 7-2.
- Administration without hardware, page 7-3.
 - Administer a trunk, page 7-2.
- Option 2 :** See *List of trunks*, page 7-6.

Administer a trunk

Administer a trunk

Enter the port number (WXY) ...: ...

W : Cabinet number
X : Slot number
Y : Jack number

Port number (WXY)

Used to indicate the port number which is made of:

- the number (W) of the cabinet housing the board:
 - 0 for the ACS basic cabinet or CS compact cabinet
 - 1 for the first ACS extension cabinet
 - 2 for the second ACS extension cabinet
 - 3 for outset of the ACS basic cabinet. (See Installation manual, *System capacity*).
- the number (X) of the slot in which the board is inserted:
 - 0 to 8 for the ACS basic cabinet
 - 1 to 8 for extension cabinets
 - 0 to 4 for the CS compact cabinet
- the number (Y) of the jack where the trunk is connected:
 - 0 to 3.

Note: If there are already 40 administered trunks, it is impossible to access the following pages. One trunk at least must be deleted.

Note: For an ISDN PRI trunk, the port number is WXY = 000.

Administration without hardware

Administration without hardware is provided to administer trunks by allowing line translations to be entered before the actual ports are assigned.

Administer a trunk

ADMINISTRATION WITHOUT HARDWARE

Trunk ...

Enter type of trunk : ...

RTC : Analog CO trunk

T0 : ISDN-BRI

T2 : ISDN-PRI

Type of trunk

Used to define the type of trunk:

- enter «RTC» (Public Telephone Network) for an analog CO trunk
- enter «T0» for an ISDN BRI
- enter «T2» for an ISDN PRI.

ISDN-PRI Administration without hardware

Activate CRC (Y/N) : .

Number of B-channels : .

15 B-channels (no GAL): option 0

20 B-channels (1 GAL): option 1

25 B-channels (2 GAL): option 2

30 B-channels (3 GAL): option 3

Warning,
Refer to the PRI ordered from your
carrier.

Activate CRC

Do not modify this parameter unless you are asked to do so.

Number of B-channels

Used to indicate the number of B-channels (for ISDN PRI only).

Administer a trunk

```

      Analog CO trunk .

-----

Connected to a host PBX ? (Y/N) .. : .
Enter host PBX access code : ..

Signaling mode ..... : .
Pulse (1) ; Tone-DTMF (0)

Trunk number ..... : ..

Incoming only trunks appear in reverse
video.
Incoming only trunk ..... : Y
Outgoing or 2-way trunk ..... : N

```

Connected to a host PBX

Used to indicate whether the trunk is connected to a host PBX or directly to the telephone network.

Host PBX access code

Used to define the host PBX access code (in order to respect the administered restrictions).

Signaling mode (for analog CO trunk only)

Used to indicate the signaling mode on an analog CO trunk.

Trunk number (for analog CO trunk only)

The trunk number is automatically defined by the system.

List of trunk numbers (for ISDN trunk only)

The trunk numbers are automatically defined by the system.

***Note:** Each number corresponds to a channel.*

Type of trunk

Used to indicate if the trunk is:

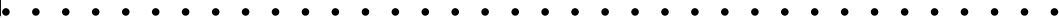
- an incoming only trunk
- an outgoing or two-way trunk.

***Note:** With regard to ISDN trunks (T2/PRI or T0/BR1), incoming only then two-way trunks with the lowest trunk numbers are used for incoming calls.*

.....

Extension numbers can be modified whereas port numbers can't.

Note: A cordless phone extension number will be matched to the port number of the radio base station that was last used.



Routing	

Incoming call distribution	1
Outgoing call routing	2
Select option :	.

Option 1: See *Incoming call distribution*, page 9-2.

- DID, page 9-3.
- ISDN subaddressing, page 9-16.
- Coverage path, page 9-16.

Option 2 : See *Outgoing call routing*, page 9-18.

- Outgoing trunk groups, page 9-19.
- Outgoing assignments, page 9-20.
- ARS tables, page 9-22.
- ARS parameters, page 9-27.

Incoming call distribution

Incoming call distribution	

DID	1
ISDN subaddressing	2
Coverage path	3
Select option :	

-

Option 1: See *DID*, page 9-3.

- Assign DID numbers to non-DID trunks, page 9-5.
- DID parameters, page 9-6.
- DID routing - Day / DID routing - Night, page 9-7.
- DID routing - Day / DID routing - Night, page 9-7.
- Copy DID routing-Day into DID routing-Night, page 9-12.
- Calling party number, page 9-13.

Option 2 : See *ISDN subaddressing*, page 9-16.

Option 3 : See *Coverage path*, page 9-16.

DID

DID	

Assign DID nbs to non-DID trunks ..	1
DID parameters	2
DID routing - Day	3
DID routing - Night	4
Copy DID routing-Day into Night ...	5
Calling party number	6
Select option :	.

Option 1 : See *Assign DID numbers to non-DID trunks*, page 9-5.

Option 2 : See *DID parameters*, page 9-6.

Option 3 : See *DID routing - Day / DID routing - Night*, page 9-7.

- Assign DID numbers, page 9-8.
- Delete DID numbers, page 9-11.
- Display DID numbers, page 9-11.

Option 4 : See *DID routing - Day / DID routing - Night*, page 7.

- Assign DID numbers, page 9-8.
- Delete DID numbers, page 9-11.
- Display DID numbers, page 9-11.

Option 5 : See *Copy DID routing-Day into DID routing-Night*, page 12.

Option 6 : See *Calling party number*, page 9-13.

- Add/Modify Extension nb-Calling party nb, page 9-14.
- Delete Extension nb - Calling party nb, page 9-14.
- Display Ext nb - Calling party nb, page 9-14.
- Automatic CPN assignment, page 9-14.
- Area code, page 9-15.

The various DID call processing modes

DID number analysis depends on the public network to which the system is connected.

The various parameters taken into account for DID call processing are:

- DID number lengths
- DID number contents:
 - extension number only
 - full number
- DID number reception mode:
 - in block (Number with ending delimiter)
 - overlapping (Number with or without ending delimiter)

Table 7 : DID call processing mode - classification by country

<i>Reception mode</i>	<i>DID number contents</i>	
	<i>Full number</i>	<i>Extension number only</i>
Block	The Netherlands, Belgium, Germany, Luxembourg	France, United Kingdom
Overlapping	Germany, Luxembourg	Germany, Luxembourg

DID parameters

```

DID Parameters
-----
DID number parameters :
  Number of significant
    digits ..... : .
  Number of non-significant
    digits ..... : .

Interdigit timer ..... : .. s

  DID coverage timeout intervals
    (5 to 240s)
Don't answer interval - Ext ... : .. s
Busy interval - Ext ..... : .. s
Attendant interval ..... : .. s
Don't answer interval - Ext Grp : .. s
Busy interval - Ext Grp ..... : .. s

```

Number of significant digits

Used to define the maximum number of digits in the DID number which will be taken into account for DID call routing.

Warning: This parameter must be assigned a value.

Number of non-significant digits

Used to define the number of digits in the DID number which will not be taken into account for DID call routing.

Warning: This parameter must be assigned a value when DID number reception mode is 'overlapping' and DID number contents is 'full number'.

Interdigit timer

Used to define the number of seconds that must elapse before a DID number in overlapping reception mode without ending limiter, is regarded as complete by the system.

DID coverage timeout intervals

Used to define the number of seconds that must elapse before a DID call is redirected to another extension, extension group, voice services group or attendant console (See *Coverage path*, page 9-16.).

DID coverage timeout intervals are:

- don't answer interval-extension
- busy interval-extension
- attendant interval
- don't answer interval-ext. group
- busy interval-ext. group.

DID routing - Day / DID routing - Night

Administration screens for day DID routing and night DID routing are identical.

Note: It is recommended to administer the day DID routing first then copy it into the night DID routing (See Copy DID routing-Day into DID routing-Night, page 9-12.).

DID - .

Assign DID numbers 1

Delete DID numbers 2

Display DID numbers 3

Select option : .

Option 1: See *Assign DID numbers*, page 9-8.

Option 2 : See *Delete DID numbers*, page 9-11.

Option 3 : See *Display DID numbers*, page 9-11.

Assign DID numbers

DID numbers are assigned in lists of up to 10 consecutive numbers. The system supports up to 200 DID numbers.

Assign DID numbers - .

First DID number in list:
 Number of consecutive DID numbers
 in the list : ..
 (Up to 10)

First DID number in list

Used to define the first DID number in the list.

In some countries DID numbers vary in length.

Example: 9 digits «069 95321 0» for the attendant DID number and 12 digits «069 95321 4001» for an extension within the same PBX.

In this example, the number of significant digits is 4 and the number of non-significant digits is 8.

In this case, at least 2 lists must be created:

- one beginning with «0» for 9-digit numbers
- one beginning with «069 95321 4001» for 12-digit numbers.

Number of consecutive DID numbers in the list

Used to define the number of DID numbers in the list.

Note: A list of DID numbers cannot contain more than 10 numbers.

Assign DID numbers - .				
DID	Ext	Auto	Tod	Additional
nb	nb	Answ	Mode	Plan info.
<p>ToD :According to time-of-day plan (Y/N)</p> <p>Mode:First announcement (0)</p> <p>Forced first announcement (1)</p>				

DID number

Indicates the DID number.

Extension number

Used to assign the DID number to an extension, an extension group, the attendant console or a Voice Services group. To assign a DID number:

- to an extension:
 - Enter the extension number.

Note: To make sure that DID extension numbers (M)CDU match extension numbers, first administer the section «Feature access code, page 5-8.», then modify the extension numbers in the section «Terminal translation initialization, page 8-1.». An extension can be assigned to several DID numbers.

- to an extension group:
 - Enter G followed by the group number (from 1 to 32).

Warning: If the extension with the lowest extension number has activated the forward off-premises or forward internal feature to a voice messaging system, the incoming call is immediately forwarded and does not ring the other extensions able to answer it.

- to the attendant console:
 - Enter «PO».
- to a Voice Services group:
 - Enter GV followed by the Voice Services group number (from 1 to 8).

Auto-answer

Used to define the 'auto-answer' extension number the calling party will be connected to. Leave blank if you do not wish to validate the auto-answer feature.

Note: You must enter an 'auto-answer' extension number (See Auto-answer, page 6-3.).

Mode

Used to define the auto-answer mode. (See *Auto-answer*, page 6-8.)

- 0 : First announcement
- 1 : Forced first announcement.

Time-of-day plan

Used to define whether the auto-answer feature is active at all times or according to the time-of-day plan assigned to the extension.

- Answer Yes to activate the auto-answer feature according to the time-of-day plan assigned to the extension.
- Answer No to activate the auto-answer feature at all times.

Note: When the night service is activated at the attendant console, the auto-answer feature is deactivated.

Additional information

Used to define the additional information (8 characters) to be displayed on terminals on call arrival.

Note: By default the last 4 digits of the DID number are added to the additional information.

Delete DID numbers

Delete DID numbers - .

First DID number in list:
Number of consecutive DID number
in the list : ..
(up to 10)

First DID number in list

Used to define the first DID number in the list to be deleted.

Number of consecutive numbers in the list

Used to define the number of DID numbers in the list to be deleted.

Note: A list of DID numbers cannot contain more than 10 numbers.

Delete DID numbers - .

DID	Ext	Auto	Tod	Additional
nb	nb	Answ	Mode	Plan info.

Warning, if you press ENTER
the displayed numbers are deleted.

This screen is used to confirm the deletion of DID numbers.

Display DID numbers

This screen is used to display DID numbers.

Copy DID routing-Day into DID routing-Night

Copy DID routing-Day into Night

Warning, if you press ENTER
the DID routing - Day replaces
the DID routing - Night.

When administered, simply copy the day DID routing into the night DID routing.

Calling party number

Calling party numbers enable extension users to be identified by the called party. The system is set to send the DID numbers assigned to the extensions.

However, an extension user may:

- be identified by a DID number other than that assigned (e.g. the attendant DID number)
- be identified by a DID number even if none has been assigned to the extension
- not be identified by a DID number.

Calling party number

Add/Modify Ext nb-Calling party nb ..1

Delete Ext nb-Calling party nb2

Display Ext nb-Calling party nb3

Automatic CPN assignments4

Area Code5

Select option : .

Option 1: See *Add/Modify Extension nb-Calling party nb*, page 9-14.

Option 2 : See *Delete Extension nb - Calling party nb*, page 9-14.

Option 3 : See *Display Ext nb - Calling party nb*, page 9-14.

Option 4 : See *Automatic CPN assignment*, page 9-14.

Option 5 : See *Area code*, page 9-15.

Add/Modify Extension nb-Calling party nb

Add/Modify Extension nb-Calling party nb

Ext number: ..

CPN number : ..

Extension number

Used to select an extension to administer the calling party number (CPN).

Note: CPN administration is always done extension by extension.

CPN number

Used to define the calling party number.

Note: The system does not monitor the contents of this field and the information it contains is the sole responsibility of the administrator.

Warning: An S0 ISDN terminal equipment must send its extension number to the S Bus to allow the system to send the assigned CPN number to the public network..

Delete Extension nb - Calling party nb

Used to delete a calling party number.

Display Ext nb - Calling party nb

Used to display the list of the calling party numbers that are assigned to extensions.

Automatic CPN assignment

Used to automatically copy assigned DID numbers in the «CPN number» field. (See *Display DID numbers*, page 9-11.)

Note: All prior configurations are deleted.

Note: Extension groups, Voice Services groups, extensions declared in "auto-answer" mode and attendant console(s) are not taken into account in the automatic CPN assignment procedure.

Area code	
<hr/>	
Area code :	

Used to select an extension to administer the calling party number (CPN).

	Country				
	France except DOM	French DOM	Germany The Netherlands	Belgium	Switzerland United Kingdom
Number dialed inside the area	0ZABPQMCDU	0ZABPQMCDU or PQMCDU	0 + Area code + n digits or n digits	n digits	0 + Area code + n digits or n digits
Number dialed outside the area	0ZABPQMCDU	0ZABPQMCDU	0 + Area code + n digits	0 + Area code + n digits	0 + Area code + n digits
Number sent by the network	ZABPQMCDU	ZABPQMCDU	Area code + n digits	Area code + n digits	0 + Area code + n digits
Code to be entered	None	ZAB	Area code	Area code	0 + Area code

Coverage path

Ext/ext group number . : ...
 Name :

Coverage path - Don't answer

First coverage point : ...
 Second coverage point : ...

Coverage path - Active
 Type (Immediate 1, Delayed 2,
 Drop 3) : .

First coverage point : ...
 Second coverage point : ...

(Answering position :
 Extension, Attendant (PO),
 Voice services group (GV1 - GV8),
 Extension group (G1 - G32))

Extension/extension group number

Indicates the selected extension/extension group number.

Name

Indicates the extension user's name or group name.

Coverage path - Don't answer

Redirection takes place if the principal does not answer the call within the don't answer interval (See *DID parameters*, page 9-6.).

First coverage point / Second coverage point

Used to define the covering user. The answering position may be:

- an extension: enter the extension number
- an attendant: enter the letters «PO»
- an extension group: enter the extension group number (G1 to G32)
- a voice services group: enter the Voice Services group number (GV1 to GV8).

Coverage path - Active

Redirection takes place if the principal is active and not able to answer the call within the busy interval (See *DID parameters*, page 9-6.).

Type of redirection

Used to select the type of redirection:

- Select option 1 to route the calls immediately to the covering user.
- Select option 2 to ring the principal during the busy interval and route the calls to the covering user on timeout.
- Select option 3 to inhibit redirection and drop the calls.

Outgoing call routing

Outgoing call routing

Outgoing trunk groups

Outgoing assignments

ARS tables

ARS parameters

1

2

3

4

Select option :

.

- Option 1 : See *Outgoing trunk groups*, page 9-19.

Option 2 : See *Outgoing assignments*, page 9-20.

Option 3 : See *ARS tables*, page 9-22.

- ARS time-of-day charts, page 9-23.

- ARS digit analysis tables, page 9-25.

- ARS route pattern tables, page 9-26.

Option 4 : See *ARS parameters*, page 9-27.

.

I used to indicate the administered members. Trunks belonging to the group are

Outgoing assignments

Outgoing assignments

Enter extension number : ...

Outgoing assignments are administered extension by extension.

Outgoing assignment for extension ...

Enter trunk or trunk group numbers
in order of priority

common access

selective access

1 - ..
2 - ..
3 - ..
4 - ..
5 - ..
6 - ..
7 - ..
8 - ..
9 - ..
10 - ..

1 - ..
2 - ..
3 - ..
4 - ..
5 - ..
6 - ..
7 - ..
8 - ..
9 - ..
10 - ..

Common access
Used to assign the trunk groups (400 to 409) to the selected extension in common outgoing access and define their order of priority. Outgoing trunks or trunk groups in common access can normally be seized by dialing the feature access code 0 which activates the ARS feature.

- Note:** Analog CO trunks are seized before ISDN trunks.
- Note:** On start-up, all the extensions have access to trunk group 400.

Selective access

Used to assign the trunks (410 to 449) or trunk groups (400 to 409) to the selected extension in selective outgoing access. Outgoing trunks or trunk groups in selective access can be seized by dialing the feature access codes 400 to 409 and 410 to 449.

Note: If the extension is a data terminal, the «selective access» option is non accessible.

Automatic route selection (ARS)

ARS routes calls over the public network based on the preferred (normally the least expensive) route available at the time the call is placed.

Definitions

Common access

ARS begins when the user dials the common access or ARS access code (normally the digit 0).

Note: Selective access does not activate the ARS feature.

Time-of-day chart

Allows the system to select a digit analysis table according to the day and time the call is placed.

Digit analysis table

Allows the system to select a route pattern table according to the number dialed.

Route pattern table

Allows the system to:

- Select the trunk group to be used according to trunk availability.
- Delete or insert digits in the dialed number according to the trunk group that is to be used.

Behaviour

1. When the user dials the ARS access code (normally the digit 0), the system selects a digit analysis table according to the day and time the call is placed.
2. The system compares the dialed number with entries in the ARS digit analysis table. When the system finds a dialed string entry in the table that matches the dialed number, the ARS digit analysis table maps the dialed number to a specific route pattern table. When there is no mapping, a default route pattern table is selected.
3. In the route pattern table, the system selects the preferred trunk group that can be used for the call among the available ones (a trunk group is available if at least one trunk in the group is available).
4. According to the trunk group that will be used, the system deals with the necessary digit manipulations (digit deletion & insertion in the dialed number) then routes the call.

ARS tables

ARS tables

ARS time-of-day charts 1

ARS digit analysis tables 2

ARS route pattern tables3

Select option : .

- Option 1:** See *ARS time-of-day charts*, page 9-23.
- Option 2 :** See *ARS digit analysis tables*, page 9-25.
- Option 3 :** See *ARS route pattern tables*, page 9-26.

ARS time-of-day charts

ARS time-of-day charts

Monday 1
Tuesday 2
Wednesday 3
Thursday 4
Friday 5
Saturday 6
Sunday 7

Select option :

ARS time-of-day charts are administered on a week basis.

ARS time-of-day chart :

Digit analysis table
nb . is active sinceh..
Activation Digit analysis
Time table (1 - .)
..h.. .
..h.. .
..h.. .
..h.. .
..h.. .
..h.. .
..h.. .
..h.. .
..h.. .
..h.. .
..h.. .
..h.. .

Each day may be divided in up to 12 time-segments. A time-segment is defined by indicating the opening time. A segment opening automatically defines the end of the previous one.

Example: A segment opening at 14h00 automatically defines the end of the previous segment at 13H59.

Digit analysis table nb x is active since

Gives information on the active digit analysis table:

- Table number.
- Segment opening (day and time).

Activation time

Used to indicate the segment opening time.

Digit analysis table

Used to indicate the digit analysis table used during the specified segment.

ARS digit analysis tables

Up to 6 ARS digit analysis tables may be defined.

```

ARS digit analysis table      ..

-----

If there is no mapping between the
number dialed and the table entries,

default route pattern table is ...: ..
(1-..)
with minimum number of digits ....: ..
and maximum number of digits .....: ..

```

This screen is used to define the default route pattern table that will be used when there is no mapping between the dialed number and the table entries.

[illegible]

An ARS digit analysis table may contain up to 30 entries.

Table entries

Used to define the table entries.

Route pattern table

Used to indicate the number of the route pattern table to be used.

Minimum

- Used to define the minimum number of digits to be dialed to place a call.
- Dialing is regarded as complete as soon as the minimum number of digits has been reached. (See *Short inter-digit timer*, page 9-28.)
 - Dialing is regarded as incomplete as long as the minimum number of digits has not been reached. (See *Long inter-digit timer*, page 9-28.)

Maximum

- Used to define the maximum number of digits to be dialed to place a call.
- Dialing is regarded as complete as soon as the maximum number of digits has been reached. (See *Long inter-digit timer*, page 9-28.)

ARS route pattern tables

Up to 15 ARS route pattern tables may be defined.

ARS route pattern table ..				
TG	DEL	INS	CPN	COM
.
.
.
.
.
TG : Trunk group DEL: Nb of digits to be deleted INS: Inserted digits CPN: 0->none; 1->DID nb; 2->Ext nb COM: Comments				

An ARS route pattern table may contain up to 10 entries. Entries are entered in order of preference.

Trunk group

Used to define the trunk group to be used.

Number of digits to be deleted

Used to indicate the number of digits to be deleted in the number which has been dialed.

Inserted digits

Used to indicate the digits/characters to be inserted in the number which has been dialed. They may be:

- Digits from 0 to 9 or characters such as “*” or “#”.
- “-” to insert a pause with administrable length. (See *ARS parameters*, page 9-27.)

1

Short inter-digit timer

Used to define the number of seconds that must elapse between each digit dialed.

- This timer is active as long as the minimum number of digits has not been reached. (See *ARS digit analysis tables*, page 9-25.)
- Dialing is regarded as incomplete when this timer expires, and the calling party receives the busy tone.

Long inter-digit timer

Used to define the number of seconds that must elapse between each digit dialed.

- This timer is active as soon as the minimum number of digits has been reached. (See *ARS digit analysis tables*, page 9-25.)
- Dialing is regarded as complete when this timer expires or when the maximum number of digits is reached. (See *Maximum*, page 9-26.)

Tone detection

Used to define the number of seconds that must elapse before the network sends dial tone. If no dial tone is received when the timer expires, the system goes on with the dialing process.

Select option for a digit indicating the end of dialing

Used to define the digit(s) which let(s) the system know that dialing is complete. To override the timer for faster call processing, the calling party may dial this digit to indicate end of dialing.



Restriction

Administer classes (COR) 1

Administer time-of-day plans 2

Select option :

.

- Option 1:** See *Administer classes (COR)*, page 10-2.
- Emergency call list, page 10-2.
 - Classes of restriction (CORs), page 10-3.
- Option 2 :** See *Administer time of day plans*, page 10-5.

Classes of restriction (CORs)

Up to twelve classes of restriction are available. Two of them are preset and the other ten are administrable:

- from 0 to 9: restricted call lists
- 10: no restriction
- 11: outward restriction.

Administering a class

[illegible]

Restricted

Used to deny the access to up to fifteen 6-digit area codes.

Unrestricted

Used to allow the access to up to fifteen 6-digit area codes.

Operating hints:

CORs may be administered in three different ways:

- Restriction without exception
- Restriction with exceptions
- Unrestriction.

Restriction without exception:

Use the restricted call list to deny the access to some areas.

For instance: Deny international calls.

Restriction with exceptions:

Use both lists to allow for exceptions.

For instance: Deny international calls but allow calls to a specific country.

Unrestriction:

Use the unrestricted call list to allow the access to some areas.

For instance: Allow local calls.

Administer time of day plans

Extensions may be assigned a different COR according to day (working hours) and night (non working-hours).

Night/Day restriction is activated:

- manually by dialing the appropriate feature access code at the attendant console
- automatically according to one of the three time-of-day plans.

An extension is assigned (See *Administer an extension*, page 6-3.) :

- a day COR
- a night COR
- a time-of-day plan.

The 3 time-of-day plans are used to define when the night restriction will be activated.

```

Restriction . time-of-day plan
-----
Enter day schedule :

      start      stop      start      stop
MONDAY  : ..:..  ..:..  ..:..  ..:..
TUESDAY : ..:..  ..:..  ..:..  ..:..
WEDNES. : ..:..  ..:..  ..:..  ..:..
THURSDAY : ..:..  ..:..  ..:..  ..:..
FRIDAY  : ..:..  ..:..  ..:..  ..:..
SATURDAY : ..:..  ..:..  ..:..  ..:..
SUNDAY  : ..:..  ..:..  ..:..  ..:..

-----
NEXT LINE      -----> Shift Down
PREVIOUS LINE  -----> Shift Up
  
```

Note: The time-of-day plans are initially pre-programmed as follows:

- Time-of-day plan 1: from 07.00 to 12.00 and from 12.00 to 19.00
- Time-of-day plan 2: from 07.00 to 12.30 and from 13.00 to 19.00
- Time-of-day plan 3: from 08.00 to 12.00 and from 14.00 to 18.00

Start

Used to define when day restriction is activated.

Stop

Used to define when day restriction is deactivated.



Table 9 : Example of a time-of-day plan with two non-working days

	<i>Start</i>	<i>Stop</i>	<i>Start</i>	<i>Stop</i>
Monday	08:00	12:00	14:00	18:00
Tuesday	08:00	12:00	14:00	18:00
Wednesday	08:00	12:00	14:00	18:00
Thursday	08:00	12:00	14:00	18:00
Friday	08:00	12:00	14:00	18:00
Saturday
Sunday

Miscellaneous

Change login password 1
Delete system administration 2
Administer timers 3
Configure VEGA DSS 4
Configure SOLARIS DSS 5
Remove an extension 6
Remove a trunk 7
Event report 8

Select option : .

Option 1: See *Change login password*, page 11-2.

Option 2 : See *Delete system administration*, page 11-3.

- Delete all personal AD numbers, page 11-3.
- Delete all the outgoing assignments, page 11-4.
- Delete all the extension assignments, page 11-4.
- Delete all the trunk assignments, page 11-5.
- Re-initialize an extension, page 11-6.
- Re-initialize the system, page 11-6.

Option 3 : See *Administer system wide timers*, page 11-7.

Option 4 : See *Configure VEGA DSS*, page 11-8.

Option 5 : See *Configure SOLARIS DSS*, page 11-9.

Option 6 : See *Remove an extension*, page 11-11.

Option 7 : See *Remove a trunk*, page 11-12.

Option 8 : Non accessible.

Change login password

1. Enter your current login password.
2. Enter your new login password.

Change login password

Current login password ...: .

3. Re-enter your new login password to confirm and then validate.

After changing the login password, only the new password will be valid for the next connection to the minitel local server.

To change the end-user's login password «E», follow the same procedure.

Warning: Remember to keep this new password in a safe place. Should you lose or misplace it, you will no longer be able to administer your system and will, therefore, have to re-initialize it.

Delete system administration

```

Delete system administration
-----

Delete all personal AD numbers ... 1
Delete all outgoing assignments .. 2
Delete all extension assignments . 3
Delete all trunk assignments ..... 4
Re-initialize an extension ..... 5
Re-initialize the system ..... 6

Select option : .

```

Option 1: See *Delete all personal AD numbers*, page 11-3.

Option 2 : See *Delete all the outgoing assignments*, page 11-4.

Option 3 : See *Delete all the extension assignments*, page 11-4.

Option 4 : See *Delete all the trunk assignments*, page 11-5.

Option 5 : See *Re-initialize an extension*, page 11-6.

Option 6 : See *Re-initialize the system*, page 11-6.

Delete all personal AD numbers

Delete all personal AD numbers

Used to delete the personal AD numbers for all the terminals.

Delete all the outgoing assignments

```
Delete all the outgoing assignments
```

```
-----  
Do you want to delete the outgoing  
assignments for :  
- all the Euro-ISDN terminals .. 1  
- all the telephone extensions . 2  
- all the extensions ..... 3
```

```
Select option : .
```

Delete all the outgoing assignments

Used to delete the following outgoing assignments:

1. Euro-ISDN terminals only
2. telephone extensions only
3. all the extensions (both Euro-ISDN terminals and telephone extensions).

Delete all the extension assignments

```
Delete all the extension assignments
```

```
-----  
Do you want to delete the assignments  
for :  
- all the telephone extensions ... 1  
- all the Euro-ISDN terminals .... 2  
- all the extensions ..... 3
```

```
Select option: .
```

Delete all the extension assignments

Used to delete the following extension assignments:

1. telephone extensions only

2. Euro-ISDN terminals only
3. all the extensions (both Euro-ISDN terminals and telephone extensions).

Note: This operation applies to idle extensions only.

Note: When this operation is completed, extension administration returns to the original «factory-set» configuration.

Delete all the trunk assignments

Delete all the trunk assignments

Do you want to delete the assignments
for :

- all analog CO trunks 1
- all ISDN-BRIs 2
- all ISDN-PRIs 3

Select option : .

Delete all trunk assignments

Used to delete the following trunk assignments:

1. analog CO trunks
2. ISDN-BRIs (T0)
3. ISDN-PRIs (T2)

Re-initialize an extension

```

Re-initialize extension ...
-----

Delete button assignment ..... 1
Delete outgoing assignments ..... 2
Delete all extension assignments ... 3

Select option :
  
```

Re-initialize extension

Used to delete the following extension assignments:

1. button assignments only
2. outgoing assignments only
3. all extension assignments.

Re-initialize the system

```

Re-initialize the system
-----

Delete system configuration
and restart the system ..... 1
Restart the system only ..... 2

Select option :
  
```

Re-initialize the system

1. Used to delete the entire system configuration except the alphabetical AD.
2. Used to restart the system only.

Administer system wide timers

```

Administer system wide timers
-----
Flashhook interval (in ms)
  lower bound ( 50 ms ) ..... : ... ms
  upper bound ( 900 ms ) ..... : ... ms
Host PBX-Flash length (in ms) : ... ms

Call forward timer value .... : .. s
( 1 to 40 s)
Intrusion timer value ..... : .. s
( 1 to 30 s)
Exclusive hold timer value ... :... s
(20 to 240 s)
Call park timer value ..... : ... s
(20 to 240 s)
Call transfer timer value .... : .. s
(20 to 40 s)

```

Flashhook interval

Used to define the lower and upper bounds of the flash duration accepted by the system (recall signaling) and transmitted by a touch-tone dialing analog station before dialing a feature code.

Note : The flashhook interval transmitted by an analog station can vary from model to model.

Host PBX-Flash length

Used to define the length of the flash signal (recall signaling) to be generated by the system toward the network (Central Office). This value is included between 90 and 999 ms.

Call forward timer value

Used to define the number of seconds that must elapse before a forwarded call, remaining unanswered, returns to the requested extension.

Intrusion timer value

Used to define the time an intrusion may last.

Exclusive hold timer value

Used to define the time a call may stay on hold when an exclusive hold is carried out.

Call park timer value

Used to define the time a call may stay on hold when a call park is carried out.

Call transfer timer value

Used to define the number of seconds that must elapse before a transferred call, remaining unanswered, rings the call coverage answer group and the attendant console(s).

Configure VEGA DSS

The system supports up to three VEGA terminals equipped with DSS. Three basic VEGA DSS configurations are available.

Configuration . Vega DSS		p 1/4
1 :	:	...
2 :	:	...
3 :	:	...
4 :	:	...
5 :	:	...
6 :	:	...
7 :	:	...
8 :	:	...
9 :	:	...
10 :	:	...
11 :	:	...
12 :	:	...
13 :	:	...
14 :	:	...
15 :	:	...
16 :	:	...

Extension with this DSS configuration		
.		

HELP		----> F2

Note: VEGA DSS configurations cannot be modified by minitel. They may only be modified at a terminal equipped with a DSS.

- To display the next 16 buttons, press Enter
- To display the previous 16 buttons, press F4

Table 10 : VEGA DSS configuration table

Configuration number	Extensions		Trunks		AD numbers	
	Quantity	Number	Quantity	Number	Quantity	Number
1	48	300 to 347	16	410 to 425	0	-
2	0	-	0	-	64	8200 to 8263
3	54	300 to 353	10 call appearances			

Configure SOLARIS DSS

The system supports up to nine SOLARIS terminals equipped with DSS. Nine basic Solaris DSS configurations are available.

```

Configuration . Solaris DSS
----- p 2/6
. 1 . 13 | 13 : : ...
. 2 . 14 | 14 : : ...
. 3 . 15 | 15 : : ...
. 4 . 16 | 16 : : ...
. 5 . 17 | 17 : : ...
. 6 . 18 | 18 : : ...
. 7 . 19 | 19 : : ...
. 8 . 20 | 20 : : ...
. 9 . 21 | 21 : : ...
.10 . 22 | 22 : : ...
.11 . 23 | 23 : : ...
.12 . 24 | 24 : : ...
-----
Extension with this DSS configuration :
.
.
HELP -----> F2

```

- To display the next 12 buttons, press Enter.
- To display the previous 12 buttons without validating the current configuration, press F4.
- To display the next line, press Down.
- To display the previous line, press Up.

Table 11 : Solaris DSS configuration table

Configuration number		Extensions		Trunks		AD numbers	
		Quantity	Number	Quantity	Number	Quantity	Number
1-2	Sol. DSS 1	8	300 to 307	16	410 to 425	0	-
	Sol. DSS 2	24	308 to 331	0	-	0	-
	Sol. DSS 3	24	332 to 355	0	-	0	-
3	Sol. DSS 1	14	300 to 313	10 call appearances			
	Sol. DSS 2	24	314 to 337				
	Sol. DSS 3	24	338 to 361				
4-5-6	Sol. DSS 1	24	300 to 323	0	-	0	-
	Sol. DSS 2	24	324 to 347	0	-	0	-
	Sol. DSS 3	24	348 to 371	0	-	0	-
7-8	Sol. DSS 1	16	300 to 315	8	410 to 417	0	-
	Sol. DSS 2	24	316 to 339	0	-	0	-
	Sol. DSS 3	0	-	0	-	24	200 to 223
9	Sol. DSS 1	0	-	0	-	24	200 to 223
	Sol. DSS 2	0	-	0	-	24	224 to 247
	Sol. DSS 3	0	-	0	-	24	248 to 271

Note: Solaris DSS are numbered 1 to 3 from left to right.

Remove a trunk

Remove a trunk

Trunk numbers are included between
410 and 4..

Enter trunk number : 4..

If the trunks are ISDN-PRI or BRIs,
all the B-channels are removed.

Remove a trunk

Used to remove a trunk so that the system will no longer recognize it at all.

Note: A trunk can only be removed if the appropriate trunk board has been removed when alive.

United Kingdom

Analog CO-trunks

Analog CO-trunk board

The DC signaling mode on CO trunks is “loop calling - unguarded clearing”.

Power failure transfer board

It is a regulatory requirement that under powerfailure conditions, a proportion of analog CO-trunks must continue to have access to the Public Telephone Network.

In the UK, the power failure transfer board is **mandatory** in a system equipped with analog CO-trunk board(s).

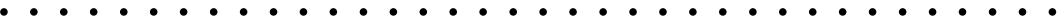
Call charge detector board

In the UK, the 50 Hz call charge detector board only may be used.

Restriction

It is a regulatory requirement that all the extensions within a system must have emergency access.

In the UK, the class of restriction 11 should not be used.



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Night service
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